

### **Amendments to the Specification**

Please replace the paragraph beginning on page 2, line 13 with the following paragraph:

In a variant of the method of enhancing the effectiveness of a rotor blade of a wind energy device, in accordance with the invention, a rotor blade is made in the form of a wing with a thick aerodynamic profile and a vortex system for control of the boundary layer is arranged on the rear part of the blade opposite the side facing the wind, this system consisting of longitudinal cavities, and suction withdrawal of air to the end of the blade is carried out from each cavity due to centrifugal forces of a rotating blade and also because of pressure difference occurring at the blade shank of the end of the blade because of high sum speed of air at the end of the rotating blade, wherein from each cavity through air vents with elements controlling air consumption suction withdrawal of air is carried out into a low pressure receiver, air from which due to centrifugal forces of a rotating blade and also due to pressure difference occurring at the blade shank and end of the blade as a result of a high sum speed of the air at the end of the rotating blade, is suction withdrawn to the end of the blade through an air line, plates to limit the air flow flowing off along the blade are mounted inside the cavity and on the outer surface of the blade with a certain spacing between them, suction withdrawal of air is also carried out due to a turbine, wherein air ~~blow~~blown is carried out in the cortex rotating in the cavity of the blade.

Please replace the paragraph beginning on page 3, line 20 with the following paragraph:

Control of the suction withdrawal of air from the receiver 10 is carried out with the aid of elements 15 controlling air consumption. In order to withdraw the air from the receiver 10, a turbine 16 (~~not shown~~) is additionally installed. Furthermore, the blade 1 of the rotor contains a bushing 8 with a turning mechanism and cowling (which are not shown), blade shank 13, plate 14 limiting the flow of air along the blade 1 (counteracting the tangential flow of air occurring during rotation of the blade 1) and mounted on the external surface of the blade 1 and inside the cavity 2 "of the vortex cavities".